

gtagagcaat tatcccagtc tttaaaactg gatatgaatg agattcacc tgacgaatcc 5100
 tttagccgatt atggtgttga ttccattacc ggtgctagtt ttattcaaca gcttaatgac 5160
 acgctgacac tgactttaaa gacggtgtgt ttgtttgac acagctcggg aaaccgactg 5220
 acggcctatc tgttatctga ctatggtgat gatacgcgc agtggtttag acggcacca 5280
 gcgttggttg atcatccaca gagtgtcgtc agtcagggtg tgcctgaaag gtgccagca 5340
 agcacacaag ccaagccctt gccttcagtc ccccttcgt tatcgatgga gtcacccgtt 5400
 caacaggagt cgatagcgat tattggtatg agcggacggg ttgcggcgtc agaaaacctg 5460
 gaagcgtttt ggcaacagtt ggcacagggg gtggatttg tcgaacccgc gtcacgttg 5520
 gggccacaag cggagactta ctacggcagt ttctcaagg atatggatca atttgatcct 5580
 ctctttttta atctctcgg tgtggaagcg agttatatg acccgcaaca acgttgttt 5640
 ctggaggaat cctggaatgc actggagaat gcgggttatg tgggtgatgg catagaaggc 5700
 aagcgttgtg gtatttatgc cggttgcgtg tccggtgact acgcacaaat gttgggcgac 5760
 caacccccgc ccaggcctt ttggggcaat gccagttcta ttattccgc ccgattgcc 5820
 tattatttaa atcttcaggg ccctgctacc gcggtggata ctgcctgctc aagtctctg 5880
 gtggcgggtgc atttggcctg ccaggcccta cacctggatg aaatggagat ggccttggca 5940
 ggagggtgtg ctctttatcc aaccccatc attgtatgag tctttgcgtg gtgcagatat 6000

FIG. 22K (cont'd)

[illegible]

FIG. 22C

ggtgkacccc	arttgaayrt	daaacyttam	acccggvvggt	ttagacactw	adacgsaata	1740
aagaahaatd	htgvghatc	gsgtcggcnc	aaaaccaata	tgggamacyg	gsaccatggt	1800
wggctgggtd	tggggggcctt	gtkkgatttrt	kkaaaagntgg	tgttgtcgat	gcaacacccg	1860
caaaatacct	ccatcgctac	atcttactca	gggcaatccg	aataattgact	ttgatcgcag	1920
tcctttttat	gtgaacacccg	agcttcctgta	ttggtcgggtg	ggtgaaggag	agaccccgttg	1980
tgcgacgggtg	agcgccctttg	gatttagtgg	taccaatgcc	catgcagtga	tagaagaagc	2040
gocgccagtc	gtgcgccaac	atgaagagca	gccgggttat	ttaagtggtc	ttatcggcgc	2100
atagtgatga	tcaattacgg	cagcaagggt	gagaacttta	tgcgggttat	tgtgagcatc	2160
accctgagtt	ggatgtgggc	aartcytgag	rttatacctt	attgnttggg	ntcgtcaaca	2220
ttggnctcgca	tcgtctggct	ggtgntggcg	tngtgatctt	gaggatttgc	ggcggtcact	2280
ggatcagtggt	nttgggtcag	ggtaaaggctc	ccgagtgta	tgtngtctng	canttggctg	2340
aggggtgaacc	acngtctanc	aagtttctct	acagcacgtt	ggtaatgaat	gtataaagagc	2400
antgcagtga	gtcctgttct	gcgaatcact	atgtggacgc	gtatcgcag	gtgggggawt	2460
tatatgttca	gggttatcca	ttggagtatg	gtgtgttgtt	tgscakggc	watrrwcktw	2520
ttsskttkcc	gamctakssg	tttscwarkc	agcgttgttg	ggtaccacaa	acaataagcc	2580
actccacagt	ggatgctata	tcacagcatg	ctttttttaca	tccttttgta	catcgaaata	2640
cttcggactt	ttcatgtcag	cgttttagct	ccacatttaa	tgggagtga	ttttttctta	2700
ctgaccacct	tattctaggc	aaaaagatat	tgcccgagc	cgmtymtttc	gaaatggtcc	2760
gagaggccat	caaacaaagt	tgtggatttt	tggataatcc	tgaagtgttt	attcagctca	2820
atgatattgt	atggacaaaa	gtgattgcag	ttgatgatga	tatcaaaagaa	gtacatatatg	2880
atcttttttg	tagaaaaatgg	cagtgaatca	tgcttaacgc	atgagtttga	taggcaaaaac	2940
atatcgctta	actatgaagt	ttatacgcaa	aatagtggag	gaaatggcag	gcagaaataaa	3000
aaaaattatc	ataatcacsg	catggtcacc	ttgagtttct	ttgaatacaa	ccggagggttg	3060
tagatccttga	tgaactacsc	mgccmctata	aatcaasca	gtcttanatg	ctgaacaaat	3120
gttattttggc	gttttggaatc	aataargtgtt	cakwvtgggtg	acagggcmccg	atgtatarat	3180
acsgtwtatw	tcggtgagca	tcaagtatta	rcmaaaactyt	ytwtgccaga	aattgcagga	3240
gawttgggata	artscctttgt	tttgcaccca	ggcatggtag	attctgcttt	acagggccaca	3300
ttgggtatta	cttctgatat	caatgatata	atgttagccg	atcgccaagc	cgattatatc	3360

FIG. 22L (cont'd)

ttgacccccca agtcgacgct tccctttgct ctkgwmaaa tkkaawtway ysgaaaaygt 3420
 wcagattcta tgtgggtttg gattckaaat tctttatcga cagaccasaa gtctccacgc 3480
 tcagcccggt aatgatatac aacatctcga cattgatcta ttggacgctc aaggaaaaagt 3540
 atgtgtgcga atgcgaggtt tctgtctcgc ggttttgccc aaacaatggt taattcacta 3600
 scagaagaac cgtttacagc ttgaataac cagcaagcac cnttactttt tccaatccca 3660
 ggtatggcgt tncgccagac tcttatccaa gtggccaatt aacctacct taawtgatgc 3720
 cgggtccatc cttgggttgg ttgtacgnat ttgaaatatg gacttaatgt agaaaaataga 3780
 aggatgtaga ggtttattga ccttacactc ccaaacccact tggatttaca ggatcgctac 3840
 ttgtgataat tgcactgcag gtatttgaaa ttgtaaaang acgtaaatgat agataaatcc 3900
 gtacaaccag tactgattca gttgttagtt cctaataatg gagaacaagg ggtattcacc 3960
 agtttattgg cattaactaa ggtggctcgc tcagaaaaacc ccaaaagtgt tacacaatta 4020
 attcaagtac aatagtcctc gaaacctcgc aaaatttact acggattatc actgaaaaata 4080
 gtcatgatat aacacatgca gaaattcgtt atcacttggn atcaacgtga atgtttgktt 4140
 tggkaascag tacccaaatc ccggtggaat tagcgtcaca gtttgtcaaa gcgwtacgag 4260
 ttatytctwtt mcgggaggka aaaatcggt ttaatcttkg taggkcskct accactcmat grtgaaaaa 4320
 tgagtcccac aactagaact ggratccggt gggggaccat tattaawtmc tatcaraacr 4380
 aatcttaawtt aacanggatc aagttaaagc wttgwttaaa raaattkttc ascaawtmcgg 4440
 gatgtaagcc ggkgktttsy attgtgcagg tattgtcaac gacaattttta ttctcaaaaa 4500
 tcaattgaaw gaatacaaaag aggtattggt gtntaaagta tcnggtnctg tcaatttaga 4560
 gtcctcgaca canagnatag agatggattt tcttatnnta ntaaaaaacgt tatctgcagt 4620
 ccaggcanca acagnacagg gtnttagata atngtccaaa tactttttcc aggtgttggg 4680
 attcggannn tgaanccaa
 taaangggat 4700

FIG. 22L (cont'd)

gcncctnccg	cggcttagaa	cgctctagaa	ctagtggatc	ccccgggctg	cagtattcgg	60
aaatgcaggt	caatcagatt	attcaacggc	aaataaattt	atggatgagt	ttgcacgcta	120
tcgtaatgct	ctggtcaatc	gcaaagagcg	ctatggttta	acactatcga	ttaattggcc	180
gtactggaga	gaaggaggta	tgagtattga	ggaaaatttt	gaaaatataa	tgcaagagaa	240
taccggtatg	tccgccctgg	agacatcaca	aggtattgaa	gtattacaaa	gagcttggca	300
gttcagtagc	acgcaattgt	tggtaattgt	cggagagatg	aagcgaatgg	agagcttttt	360
gcacaagcag	ggtttcgagc	agattcctgt	ggtatccgcc	gatactgtca	gcgagaataa	420
aaacctcgact	attgagaatc	tttcagccga	tgtagataca	ttaccattca	ttgaggttca	480
ggcatacaat	atggaacaaa	aaacccttga	ttacttaaaa	aatgtattttg	ccaccacaac	540
acaaatcccc	gagaaaaata	tttatgttca	tgaacattg	gataaatacg	gagttgattc	600
attgttggtg	atgaaaatga	ccaatcaatt	ggaaaaagta	tttggaaaat	tatctaaaac	660
cctatttttt	gaatatcaaa	ccattcgcg	actgggcgat	tatttcctga	aatttcatga	720
tgaaaagtta	agggagtttt	ttcagataga	tagcaaaacta	tctatgttaa	ataatcacgg	780
agagattgaa	gttcaaaaaa	aaggggatga	accatcgggt	ggagacagat	ataagtcagc	840
tggatgccgt	gcctatctcg	gtttatatcg	cctgtgtcag	cagtgaatca	tcaaccaaaa	900
aaatgttaac	aatggttccm	atantcatca	gccagtaatg	ggatatctggc	gawtatctggg	960
tctgagkggg	tcgttatbcc	mcaagcctga	gaaatatnng	agggaaatac	ggggaagaaa	1020
tttgtgtcaa	nggcaaggga	ctggatttan	cnggaaantt	ccaaaaggag	ccgttgggga	1080
ttgggsaagac	tattwyacms	mtnnngatcc	stattcagcc	mngtggggaca	tcgcagtaaa	1140
tnngggkggg	tttattcggg	atgttgataa	gttcgatccg	ttatttttta	atatctccc	1200
tagkgrggkg	gagctyrcts	atcctcagga	aykwttattt	yctagrgtcc	gcgtkggctg	1260
cattggaaga	ccctggawat	tgcggggnat	tatttgcaaa	tgttgtcatc	aaggactaaa	1320
tcttcattct	cgtcggraga	tgttgggtgt	tatgtggrag	tratgtcttc	agaatatcag	1380
ttgttttgctt	ttgaacagaa	wttacgtggt	caccccatat	cctcngggtg	ggagttatgc	1440
cagtattgct	amccsggtgt	cttatgtttt	aratctacac	ngggcccaasc	atgacagtgg	1500
atmcgatgtg	ktctarttcg	ttaacgacgc	twacctagc	atgkcaaggga	tttaaaaactg	1560
ggkcgaaact	gaccygggta	ttgkcggkcg	agttaawatt	accattcacc	ccmataaata	1620
tyagggcscgt	agtcacgcyc	aaattattty	tactagtggg	sgttgccaaa	rttttgggtga	1680

FIG. 22M

acagggacag	ggttatatcc	ctggtgaagg	agtgggtgcc	ataatactga	agcgcttggt	1740
cgatgccgag	cgtgacggtg	atcatattta	tggtgttgtt	aaaggcagtg	ccgttaacca	1800
tggttggtaaa	accaacggct	ataacgttcc	taatccgaat	gcacaacagc	aagtggtag	1860
tcgtgcacta	cgagaagccg	cagtaaaccc	ccatcatgtg	acttatattg	aggcacatgg	1920
aacaggaacc	caattgggtg	acccgataga	aattactgkt	ctrammaaag	cgttcaatag	1980
tttgaccaat	gagcttggtt	taagcgctgt	gscaaaacma	tykggtttga	tcggstcark	2040
gaagtcaaaa	tatagggcac	tgtgagycas	caagccggtg	ttgcagctat	tagcaaaagta	2100
ttgttacaaa	tgcaacacgg	gtcaaatagt	cccttcttta	cattcaaaaag	cattgaaatcc	2160
caatatgtgat	tttactgtga	ctccctttgt	agtaaaaccaa	gggttatattg	actggaaacg	2220
acttgaagtt	gaaggaaaaga	gggtgccgag	aatkgtckky	mwwwckkytt	ttggggccgg	2280
tggtcacaat	gcccatgtag	tgattgagga	gtacgttgcc	agcaatgaaa	agcaagagga	2340
ttttcaagga	aaagtaatta	tccctttatc	ggcwatagac	ttskgatcar	ctacaaraaa	2400
warkggatcg	tttgcttaag	tttatcraaa	aaaatgaagc	aaaraggtag	ggaawtksgc	2460
ttaatbtgwt	ttgccgwawa	cattgcaact	tgggcgcgag	gtcaatgara	ggaacgtctg	2520
gncmtngan	ttgtaggaat	cnaataccaa	atgcttaang	gaaagatttt	agcaaaagnt	2580
ttaaatactc	agaaaaatnga	tgcacanatt	tttcgggatac	ttatcaaaaag	rcatttttctc	2640
ggggttcgta	ctagacctgg	gtgcgttgra	tttcgctatt	ttttctgaag	atgaagaata	2700
tggcccaacac	gcttgatatt	ttggattcaa	aaaggtaaat	actttaagnc	tggcggagct	2760
ttgggtaaaa	ggtgtgacta	ttgattggaa	taaatggtat	aacgcatttat	taaccagaa	2820
taaatatttg	aaacntcgt	cgtattagtt	tggcnaacng	tatccttttt	ccagggatcg	2880
ttattggatt	ncnaagtgcc	ttttccacaa	ncaaacatttt	tctacagtaa	ttgagggcaga	2940
cgccaaccma	aacattgaa	gagctactgt	gttttgaaga	aaaatggcag	gtgcaatcgg	3000
aactacatga	ctctgttgca	gatcaatcta	atggtatcaa	tacattaatt	tgttttttaa	3060
ctgagaaaaga	gcatcaaaaa	gcattacaac	aatcaatatc	attccatagc	ccgaaaaacac	3120
gattgatttt	tatcagccag	gctcaggctt	atgagcagta	ttcatcagat	cactatgcgg	3180
ttaatccaga	aataggaaaag	acgtaccaac	aggcttttca	acacattgtg	aaaagtattc	3240
ataaaaagtga	tgtcacggac	ataatgtatt	tatgggctct	agaggatgaa	cgctgggatta	3300
cgtctcctct	acctattgta	tatcttttaa	aaagtattga	ggtttcttta	ttaaaaccar	3360

FIG. 22M (cont'd)

aaaaattact atttgttgga gaatttaaga caagcttakc rrcgaytgty acyykraakc 3420
 cwrqkkgggw ttgymamrwy ckkwaksgtt dgtgcaacsq ratwtkragg ttgcggtgtt 3480
 attaraggcm rtggaaggta ctyaatccca tmcagtgaca aagcaaatgg atctttggat 3540
 agaaaaattg tggtcgtcct taaaagccca aaaaagttcat agtagcttat accaaaaatg 3600
 tcgtagatat ttttctgaaa accccamcg ctgcaanctt gtcatgaacc aaagtattca 3660
 aatgcttaca gggracttta ttgataacag stgsygtgr aggactgggt tttgtcttyg 3720
 cagattatct tccaagaca tataaaatta atctgatatt ggttgggccc tctgatcttg 3780
 ataaagagaa agswwtcgsr ratwcrgrmt ykgkwmaat caggtagtcg agtggcctat 3840
 gttcagacgg atatctgcga tgaaaagaat ctccaattgg aattggatat tgcccaaaaa 3900
 tattgtggcc ctattcaggg tgtcattcat gccgcgggca tcattgatca gaagacaatt 3960
 ttgaaaaaaa gtcctgaaaa ctttcaagca gtattagccc ntaaaattca gggtagattg 4020
 attctggata acgtattgtc agcgaatca ctggatttta tatgttactt ttcttcaagc 4080
 tcggctctat tagtgtatgc aggtatcatg gattatgcaa tggctaactg attttgatg 4140
 gcccatgcac agtatagaaa tacctyggta tctgaargaa aamscaaggg raagacmctg 4200
 kttwtctcat ggcccgccctg gaatgtgaaa ggaatgggat tgaatggact ggaatgagaa 4260
 cgtgaaamca ragttctwtg ttaagtccaa gccggcaasg tctattggac ataaaggag 4320
 gttgtgaggt tattgaacac attrctggct caggattatt ytcagtgtcy tawattggst 4380
 gkgaggaaaa accngtatcw aacaattttt tgggtctcac acaaagatgt ttctnacctc 4440
 acaagtgagt caagggcagg magtrawgaa cwwasrrswk kmykkrrass ksyamyaaac 4500
 gagctgagat agaagacttt aagtgttgaa gaatgtatta ttttggactt aaaaactctg 4560
 attacagagc aacttaaaat acccatcagc tcatctggat gtagagagta atttagcaga 4620
 ttttggtttt gattcgggtca gtttagcaaa ctttcccggt gtttaagta ttcmtatca 4680
 ttycaawawt acgccrtstk tatttttcgg atatcctacc atagagcgtg taarccgta 4740
 ttttttaaaa gaacmcmctg cgsttatgga ggcgttttat cagcagaaaa aaacatytw 4800
 tagtaacaat acvctgtccg ntatagtccty tcatgtcaaa gaaaagccgw caactgatct 4860
 aatatcatcc arcngcctct nccttttatt gcagatccat tgccccctca ggstattgag 4920
 agtattgatg agcctattgc cattattggg atgagtggtc gtttccaga agcgcgtacg 4980
 gnttaagca atgtgggaga ttttatccga aggtaaaagt sytgtgcagg agattcctat 5040

FIG. 22M (cont'd)

agagcgcttt anattggcat gaatattatg aacacccatc ggatgatggtt ygaanaandb 5100
 taatagtaaa tggagygcct gcattcctgg tattaagaa ttcgatccac aatttttoga 5160
 aatttctcca agagaggcaa aaaarctgga cctcttcaa cggcwcttat cacaggaatc 5220
 mtsgaatgca ttggwaaats ctgcttatgk wwwmywacrc wkwgmtmwtw aracratggg 5280
 ataykttkat tggtrttgaw smaggktwtt atmmrrrymw gmtcaatkmr gwygacsgca 5340
 cacwttwawc catmakrmta ttttrgcata ccmgtytgsc agtwytywtt arakyttaat 5400
 ggscmwrssa tggcwrtwaa wrccgcwtgy tcctccgsyw tggyygcrmt tcaccamgt 5460
 kscsysagtt tackwcarca agcaatkyga wrcgsckawk gwcscggcag cwwytrmw 5520
 mwyacrsk sawswtkaws tggscwtgay ssawgsgrgy mtgakmysac mwgawgsyat 5580
 amygawakac ckarnrtcam csygccaaaks gcryagtgmy tggakagsmw gytgwtgcar 5640
 tcgtaytgma acrwmtcttk sgggktttcc aaaaggggtt mmaaat 5686

FIG. 22M (cont'd)

FIG. 22N

tttctcaaaa	ttatccaagg	aacttacctt	ttactcgaat	taccctaaat	ttttttgaaa	1740
aaaaagcctta	tcaaattcgt	caccggaatg	aaaatgattt	gtctgcattg	atggatttag	1800
aaaaaaatttg	tcgaccta	aatcaatg	tatgcattga	tgaccttcgc	caacgcatag	1860
atgaataccc	aaaaggtcaa	tgtgttttag	aattaacaa	taccattg	gcagtgat	1920
attcacaaaa	gtgtatta	agagtgttag	gactgctgc	aggtgtttgg	carswswwtg	1980
scmdhggaa	rtgbdwddac	dattvtaba	thactbgtt	atcaatdtaw	trcccaaat	2040
aaaaaaagaa	tatgccatmc	aattattaca	gtttatcttc	tatyatcat	ggtgttcawa	2100
atgatgttga	agatgttat	ggtattgatg	aatgttatca	gtgcttaaat	gagaaaaacga	2160
tacaagcagg	cagttttatg	gaaagtga	cagttgatgt	tttatattcc	aagagtagaa	2220
aaacatat	ctaagtatcc	caatagatat	tggagtaaat	gctctggatg	cagagcagga	2280
aatggggtg	tttgggtgcta	agtgttact	atctatttt	caaagccaag	gagtgatgaa	2340
aaaatcaggt	gagtattatc	aaaaagatca	attngaggtt	gatgttaaat	attattccaa	2400
aatattatcg	attatttgag	tgcttgctac	tcataattng	aaaaaagaaa	gcttatttca	2460
attcaaaaaa	atacnggtgc	aaacactttc	caatattgat	gaatttgctc	ttaacgatcc	2520
attggtntga	gtttgcttcg	tnttaagcgt	acgttttctc	ctcaatatgc	tagccttatg	2580
cgwttctac	gattaatggc	atcgtgcctt	tctcgggat	tggaaatatt	aacaggcaaa	2640
atacaggcgc	atgacattat	ttttccagaa	nggagggatg	aatttatattg	aaggtatttt	2700
taaaggctat	caactttcag	actattttaa	tcataattctc	gcagagctga	tttatgaaag	2760
ggctanacgc	tctatccgg	gggtaatatg	aantaacaa	attcgtattt	tagaaaaaag	2820
gagcaggtag	ctggtggtgc	caacagagtt	tgtatngaa	tagnagcttc	mccgctnctc	2880
gaatggttat	aagagtttta	cntatactgg	atatctncgt	ccntcgttcc	ttcgttatgg	2940
gagaaaaagtn	agattttycc	gataaatatn	ccctggtnbg	caatataaag	tgttagatat	3000
ntgaaagnca	atttagantg	cacaagggtt	ttaccctgat	agctttgata	ttngtgtatg	3060
catctaattg	tnctccacga	tacgaaaawta	tatacagtat	accctttccc	aaagtgagtc	3120
acatgcta	gcaaaatggc	nttgttaatg	ttgaatgaan	tttactcngg	atgaanggat	3180
ttgttactgt	ttaccgggtg	tttgttagat	ggcctttgg	tatatgaaga	ccctaccaat	3240
cgattggata	atgtctgctt	gttaaatgtt	gatcagtg	gatctatat	atttaaatca	3300
ggctttnaaa	aatgttaaa	actttgtttt	accttttgaa	aaacttaata	ttgagcaaa	3360

FIG. 22N (cont'd)

tcaaagtatt attgtctctg agtgattaa tgaagacctg tctagtaatg nttgaaaatg 3420
 tggtagaaaa taatcanttg ttttagaaat acaaaatcac tcntgatncc gattactngt 3480
 ggagnaataa aattagntta caattnaaaa gacaantcmc wtcgttanca caatagtatt 3540
 ggaagaaaaat atttttataa aattttagnng gggataaaaa gaaaattatn ggatttttct 3600
 ccntaaacgc ccctttgatt ggagtttatg ggttgattc atattcgaac ctacnttggg 3660
 anttaaagat cattactcgg kragcmtyt tcyataaaac trgaasmtac tttkktmtky 3720
 mawkatkraa yrmktsckkm rsctmtytgw kwcmccsay atsattcmag wtrascytsr 3780
 wattrtcgnt arakwcccta ttacggaaga gataatgact ggaggtacgt caagggtaar 3840
 aacagggcaa tcgaatsaka atgaacctat tgcgattatt ggtatgtcyt gtttatttcc 3900
 aggtgaggtt acgacagttg atgagttctg ggaattatta atacaagaaa gacatgccrt 3960
 tcaaccctta cctaagggac gttggcaatg gccakaaagt gtgatccat cgggagcaca 4020
 acttggcatt gatcaggggt gatttctgga tggattgat acctttgatg ccsacttctt 4080
 tcgtatatcg agaaaagaag cggagttwat ggaccctcas caaagaaaaac tacctggaat 4140
 taarttggca ggtcatasag catgccggat ataaacccat cgytttttcc tggtagaaga 4200
 natygyytc tatgtgggtt gctttgtcac cggtaattta tatggaggtt atttaactaa 4260
 aagtgaccaa angccctaaa aaccaaccgg naaggcctat ttccatgacc argtartana 4320
 ttgttggtcg tytttmccc aataanaatt ttcctatttt ntattaattt tttaaaargtg 4380
 cccmscstcc tctwtctgat wccngccttg ttcaaryagt tttaggttgc ctwttttgacc 4440
 caancarttt tatgcgnatt caattcgggg nangngtga atcaggcntc tggtaggntg 4500
 gggaycaatt waatrctccc tccsmrtgaw accggtttct tnattayywa gcaggtntgt 4560
 tntcaaaaatc ngggaatgta aacctttnga tccaccgcc gtbggttttn tncctgggna 4620
 aagggggcgc tnttcttttt ttnaatcntt ttctcancct nattttaaaa ngattgtttt 4680
 ttngggggttt taaagggggg agatnaaaat nggggggcaan cattnnttac ggccctaacc 4740
 tnnng 4744

FIG. 22N (cont'd)

gangattcct	ncnctnccc	attgaaaaga	ggatggattn	gancatatgg	gtgtgcctgc	60
aagaagataa	gtcaatataa	tgtaaactcag	aaaaatcaat	tcccaaatg	atacccccnc	120
aatcwataca	aaaaawattg	awagattttt	kggtkgacat	tactaaacttt	ttsgaggcna	180
agacatcmat	ccmrgcmgga	tgcctggtga	ctatggtgkt	gattccatta	ttaggtatga	240
gatttyttaa	tcgaattaac	cyccaccttt	awatagaag	ctgatgcttt	attactaaca	300
gaaggaacga	ttmaccagta	tatctcataa	arkwcmttct	tttattgttg	ataaaaaaaa	360
ttaccceaag	ttaccaaat	ttggattaga	aatgatctct	aataaagaaa	ataaaggctg	420
ggtaaaagcct	tcttttattg	aatttattaa	atttgaaatc	aatcctgaat	atatagaaa	480
cagtacaaaa	aataaaagatt	acgcgattct	tgaaaatcta	ataaataatg	gagttggagt	540
ttggagagaa	aataaatcatc	tatgttttga	gtttttttat	gaaactcata	caaatagaaac	600
aattaaaaaa	atagtgtttt	cacccgaaat	acttttttaac	tctctagata	aaggtaaaacg	660
atactttcca	agtagctgcc	agcaaaaaaa	cagtcctatat	caaacggaag	ttgagaagtt	720
tccatataat	cttatttcaag	gatttagagt	ggaaatgcca	gtcaatatg	aaattttaaa	780
taaagcattt	aatcatttgg	ttaacacata	ttcaattttc	agaacaaaag	caatgttgat	840
caataagcaa	tggatttcagg	taatacatga	tggtttatca	gtaagatgcg	aaganaatta	900
yatacgaaag	attatctgca	ggaaaaagat	tttacgcaac	aactaatnag	tatttcaaaa	960
agagcaaggt	aaaaaattat	ttgatatcga	taatctgcct	ttattaaaaa	tttattttat	1020
ccataatggt	aaagacttag	cagctatttt	tgttcatgcg	catcattttt	gtgccgatgg	1080
atttacattt	ttttcttttc	agaaagaatt	tcatgatact	trtgaaagta	ttatraaacgg	1140
antggrrrwat	cgggaaacgk	gttcsawaaa	gtgatggctg	aatatggcca	ctttgcatg	1200
tgtgaatata	atcccaaaa	caaggagctg	acaaaaaact	ggcttgataa	aattcgagat	1260
aaaaattttt	ctttaaaatt	taaagataag	aaagactatg	tcggtcaact	gtcaagtgga	1320
gaaaaaatta	ttgagctaga	agtttctgta	aatatgctgg	aaaaattaag	attattttaat	1380
gatgcgaata	ataccacact	gacgcaattg	ctatgtttg	ctgttgcaat	tttactgtat	1440
cgcctctcga	ggctaccagt	acccttgcaa	atggtcaaca	gccgtagaga	taaaaatagaa	1500
tttgaaaataa	tgatgggtga	ttttgcatca	actctgccct	atggatttta	ggaacctttc	1560
caaaagcatt	ttctctatc	cnggatggta	ccttttttaa	gttatgggaa	aaanggaaaa	1620
aggcnttnnaa	ttntcccccc	naggattttt	taaanggggt	ttggatnntt	tntcngggaa	1680

FIG. 220

```

ccctcaanaa aaaaaaaatt tntttccaaa aaaaaaaggg gccctttaa ntccccatta 1740
aggaatttt ttaaattttt taatttcccg gnaaaatta ttnttttaa ttccggaatt 1800
aaggccnaan tggaattaat tggnaaaatt tccantttgg gtttttaaaa aggggaaaaa 1860
ncccannaat ttgggtttcc ttaaaaaana aaaaagggg gngggcccc cggtagggttc 1920
ntnntgggg gnaaaattt aaaaatttaa ttn

```

FIG. 220 (cont'd)

SEQID NO:34

FIG. 22P

ctgcgcgatt	ggcagagacc	gctgattgat	ggaaaaaacag	tgccgagagt	tgcgggtgtc	1800
ttttcatttg	gggcaggttg	ttccaatngc	nttacgtggt	gattgaagag	tatatcgca	1860
agataccgac	aaataaacacc	agggaatcta	taaaccatag	gtctattatt	ccattatcag	1920
cacgaactgc	tgagcagttg	cggcaaatg	ccagtagatt	gctggcattt	attgaaaaa	1980
acaagcaaga	cagcgtggtt	accccttaa	tagatatg	ttatacattg	caggtaggac	2040
gcgaagcaat	ggatgaacgc	ttgggggtta	ttgtgagttc	aaccgatga	attagtcgaa	2100
gaactacgaa	gatatttca	aacacacgat	gatatggaag	agctttatcg	aggtcagggt	2160
aatcgatatg	aagacacctt	tcttactatg	gcggctggat	ggaagatctc	tcttgagggt	2220
atcccaccca	tttgggatta	aaaaacgaaa	aactgggtctt	aagtttaaatg	ccaattattt	2280
gggatttaaa	aggggtcttt	gtggatttaa	wtkgggrkr	agwtataassw	tkkyyttmcca	2340
aargrkgwtw	ktccycsgcr	matkarmkka	ytacctrctc	yttyggcrgs	matattttta	2400
rgwtkktamm	swtyrnmccc	tcwtwcctyt	tktgrcccc	agggnccaaa	tttatattng	2460
tttgngggga	atttngtttt	aaaaaagaat	tcggttaanc	ccacctnccn	ttaaactttc	2520
attttggggg	gnaatgggtt	ttattggnaa	cccatccna	aaacccaaaaa	ngggcctttt	2580
ttttttccat	tccnaaaaaa	accaaatttt	ggccccctttt	ttggggggggg	gaaaaaaaaa	2640
accnnaangg	ggaaaaaatn	tttttaaaaa	aa			2672

FIG. 22P (cont'd)

FIG. 22Q


```

yytycrtart twwtaattyw maarstatna mttwttcaww attcctatyg tnaawwaccc 1740
ywtattttkkw ktaaaaamcag cycatwttw wyyssskgtm attwnyycc nctttwtrw 1800
wmcccmmytt gcgrrcsgtt ttttcgk kgtttcrwc akagaatctm mmsycctttt 1860
ytygcmmma anmrnttaa acmmmtwrc ttttytttrgr kggsgycccc cncccnnggg 1920
gaanccccc antgggtccc cnnttttggg gggggggntt tngnnaangn aaaatttttt 1980
tttcatgccc nnanaaaagg tccttccgca accttttta aaaaataanc cntcccccna 2040
aaaanttggg natttgggan tgggaattaa aaaggcccc tttttacccc cccnggttta 2100
attttaattc ccccttttt tggttccggg cc 2132

```

FIG. 22Q (cont'd)

nnaccaattt	tccgaaaccc	aagncatttt	gaaaggggtt	tttggggccc	ggggttgaaa	60	SEQID NO:36
aaaaaaang	ggttttttgg	ccccccccc	nnagnaanta	aaaatgggta	aggaacncc	120	
ccccccact	tggaaaacct	tcccnaaaa	aaaataaaaa	ggcnttttga	attttttaac	180	
naaaatnnc	gggntgggc	cntttaana	accccccnt	ttncaaaaaa	tgcgarrgk	240	
gggyctccwr	rnaytyaaw	awgramsgk	tawtmcwa	ktgrggggwn	ttwtatcawt	300	
aaaggnssgg	ggktytawkw	tttawraar	ggragcttta	graaawaaaw	arwcmgtkgk	360	
ktttaaraga	rattkwwaar	rraactggrr	traaktwww	rwrattatwat	anaaatrkkw	420	
aakggwwrta	tagagggaaa	aaaattttaa	ggataaatga	argaaaaccca	tcwccattta	480	
ttttccaaga	sgaccaaaaga	aatgatagaa	gttgttaaat	ttatggrtgc	gtaaaaagaa	540	
attttcccaa	awttttaawt	yccttggggt	aaaggattaa	acmcttgrrt	ggaagcaatt	600	
atatggtaaa	gaacmtccag	ctcgtattag	tttgccawgc	tatccttttg	ccaaagagcg	660	
gttattgggt	ggatactgat	aagtttagtcg	acggtagtta	tytcaaccct	agrcaaagagg	720	
gaatwaatac	agatagtgat	aagtttgatg	aaaagcttta	tgaatccttg	ttggacaatc	780	
ttttttccaa	aactatgacm	cctgatgaag	ctattaaagt	aatggaagag	gaggtatcat	840	
gaaaaaatta	attaaattga	tttatgaaaa	agtttttgaa	aataaaactat	caaaatcaga	900	
agccttgctg	ttgatttagtg	gattgaaggc	gagcaatact	actatccttc	atccccctat	960	
acatgaaaaa	acgtcaaagt	tttttgaaaa	aaaattcagt	tcaacttttt	ctggtagaga	1020	
attttttctt	cggatagatg	ctaaccctaa	aaaaagtgtg	ttatctcctg	taacatacct	1080	
tgaaaatgggt	tatgctgcag	caacaaaggc	aatggctggg	gagaaaatttt	cagcgcaatn	1140	
ttaaaaaaaat	tgagtggcaa	tatccagcta	ttgttcatga	agagtcgata	acagttcata	1200	
ttcgtttttt	taaaagatcca	aatacctggg	tggatacaag	tgaggagaaa	ttttttatgct	1260	
atcaaaattta	cacaatttca	aataatcaag	aaacananag	gatattgttc	acaaaccgggg	1320	
tgtaatagat	tatgatcata	aaaatagtga	attaagtcca	cttgatatatt	tttcactaca	1380	
aaagcatatc	agtgaatatt	ttctagaccc	taaagaggat	agtgatatttt	ttgaaaaagag	1440	
cgataaaaagt	aatgagccct	attatcagag	tattgaattg	ttacatatata	attttcagaa	1500	
agaagcgctt	ataaaaattat	cgtttgatca	cgtatcagga	tacatatatac	catcaagagt	1560	
cattgggtttt	acatccagat	atactggagt	tggctttaca	atcctgtagc	ttcttatgcc	1620	
ttgatatggc	agatactgga	atctgagttt	ttcggggggag	ttgcagccca	gtgagtggta	1680	
gatgctttta	tcaaatncat	gtctcggctg	gtccagggac	ctcaaatggg	gggktttggg	1740	

FIG. 22R

```

ttaccggcctt aacarsyttc catggaagg taggnnttaw atagscrcaan tatttgccy 1800
tkggtgrtgg aatrawrgtw atkcskggg wccwgstamw wagggttggg ttytcaaac 1860
cawawraamm skgttttytg rrkwttttt tssmmmgcc scnaaatng aacccccnn 1920
ngngtaaaanc ccnngaaat tnntntttt ttttncccc gnncccaan cnaagaaang 1980
aaccttncg nggttttggg caattaaat taattagggc aaacccccn ttaatngaa 2040
gggggncca ntggnggt tttttngga aaaaggagg gnaaaagg gnaaaagg 2100
ccccccaaa ntnggtttt aaaaaggga aaaaaaatn aaccgtttaa aaaaattnc 2160
ccccaaant

```

FIG. 22R(cont'd)

gcacggttg	aacgttatgg	catcgattca	ttgattgtga	ttcaggtgaa	tcagggcgtg	60
gcggtatatt	ttgatgcgct	gcctaaaaa	ctgttatattg	aatatcaaac	gatagacgcg	120
gtcgtggctt	acttggttga	gcagcacccg	caggcatgta	gggtgtggac	ggggttaacg	180
gcaacgggtc	aagctcaaa	agaggggtgc	atctcctcta	cctcatcagc	gggtgttgaa	240
cctgtgacac	cgagacagaa	agaggggtcat	cctatacaga	aagacatcaa	gtgccgagaa	300
caccacgtga	cagacgagcc	tatagccatt	attggtctga	gtggacatta	tcgcgaagcg	360
aatagtttgg	atgcgtattg	ggaaaacttg	aaggcaggaa	aagattgtat	tcgtgaaatt	420
ccgatgacc	gttggtcgct	agacggtttt	ttccatgaag	atgttgaaga	agcgatttgcg	480
caagggaaaa	gttacagttaa	atggggcggt	tttttagagg	gatttgctga	ttttgaccct	540
ctctttttta	acctatcgcc	gcgagaggtg	atgacgatcg	atccacagga	gcgtttgttt	600
ttacagagt	cgtgggaagc	tgtggaggat	gccggttatc	gcgtgctcag	cttgcttcgc	660
agtttaacaa	gcgtgtgggt	gtatttgcgg	gtattaccaa	gacgggtttt	gattttttatg	720
gaatacaatc	ggatcsagct	sbtynycgc	wnatacttc	ctnttackcc	aggttttaaaa	780
rgccwmgwtc	agctntkttt	tsgggttttt	taabthhgcg	ggkgggtktt	ttkvsccvwa	840
tnagcancsg	dcggtttttk	mattttttta	wtggraanac	nncaatcggg	atcaacntct	900
ttntccgctt	atacttcctt	tagctcagtg	gnctnaatc	gtgtgtcttt	atthtttggg	960
tttacaaggc	caaagtcntg	tnctattgat	accatgtgct	cctcatcttt	gacggcaata	1020
catgaagcct	gcgagcatct	gcatacgcaa	cgatgtgaac	tggctattgc	ggggggagtg	1080
aatctttatt	tgncaccctt	caacctatat	tagattgtgt	actttacgga	tgctttccaa	1140
agagggcctg	tgcaaaaagct	ttggttatgg	tggtaatggg	tttgtaccgg	gagnaggggg	1200
ttggcgctgt	gttgtgaaa	cccttgnntc	tagagccatt	caggatcagg	atagtatata	1260
tgccattatt	agagggagtt	gtgttaatca	tgggtggcaa	accaatgggt	atactgtgcc	1320
taatccacat	tctcanaggc	gatcttantt	cgtgaagctt	tggantaaag	ctcangngtt	1380
aantgcccgt	atnggtcagt	tatatagaag	ccncatggta	canggtacag	agttgggtga	1440
ccncaataga	ggtaagaggg	ttaacgcaag	ccttntcaac	aagatactga	tgatgttgg	1500
ttttgtgtat	ntgngtttca	gttaaatcta	nataatggct	atcntggaag	ctgccgctgg	1560
tatcgctggg	ctgagcanaa	gttattctgc	agatgaagta	tgaaaaaata	gtggcaagcc	1620
tacatgcaga	aagactgaat	gccaatataa	atthtgaaca	aactcctttt	gttggttcagc	1680
aatcacttaa	tgaatgggaa	agaccaaacc	ttcatgttaa	tggaaaaaatc	aaagaatatc	1740

FIG. 22S

ctaggaccgc ggggatctct tctttggtg cgggaggac gaatgcacat ataataatc 1800
 aggagtatat tccagaagtc agtcagacac gacaatcaga ggtcaggaat aaaccagctc 1860
 acccgggtggc cattctgcta tctgcgcata ctccgctca gttactgaag atggccgagg 1920
 cacttttact atttattcgt accatagtga ataatatgga ctcatcctat tcggcagggg 1980
 atgagatgac tcaacttggta aatgtagcct atacattaca ggttggacgt gaagctatgc 2040
 aggaacgcct ggggtttgtt gtgaattccc tgagtgatat tgaagtgaat ctacaaaaat 2100
 ttattgataa ggaataatgat attgaagact ttatcggga tcaaatcaag actaaaaaag 2160
 aaatctcagc tctatttaat tcggatgaag atttgcagga agtgattaaa caatggatgc 2220
 gacaaaaaaa actatccagg cttttgtcac tttgggttaa gggagttcac tgtgattgga 2280
 acttcttgta tcaacatatg cgaaccaaaac cttatcggtt acattttacca acgtaccat 2340
 ttgcttataa tcgatattgg attgatgata ataataaaaa tcaatcgact gtagttgaaa 2400
 aaaccaaacac tattattaaa gagagaaaaag agcaagttag attagagccg cttgatttta 2460
 tggaaaggaa aaaacttaat gtccatgaaa aaaagccatt tcattgttct ttatcaactc 2520
 aatcagaggc ctggtccggg gcgaacactc agacatccag tggtaaacaa agacgatctt 2580
 atgtacaggt gcttaaacaa gacgatatat taagggatct taaatcagcg ctgcctacag 2640
 ctggtgaagg tatgatacca acattaaatc gaactggtgt catgacagaa agcttaagct 2700
 cctactcaga agcatttgca aactatgctg gtatgtgtgg tggagaaata ttggacttgg 2760
 ggtgtgccta tggaaattgca acgattgcag cgttggagcg aggggctcaa gtattagccg 2820
 tagatatgga ggcacagcat ctggaaaatat tatcagaccg tattcgggat gaaagtgaagt 2880
 cgcgtttatc gacacaagta ggcaagttgc tggatcttca ttttgatcaa gaacgttttg 2940
 ctgcgatcca tgcgagccga gtgctacact ttttaaaccc acaggatttc cagcaagcat 3000
 taaaaaaaat gtatggctgg ttaaaacccg gaggaaaatt atttattgtg acggataccc 3060
 cttatatggg ttattgggcg agcaaaagcag gggtttatga aactcgtaaa gcagcagggg 3120
 atttatggcc aggtacata gataatgttg gttctcactt taatactaaa gagatagaag 3180
 gggccccaac tctgatcaac ccgatggacc cggaaatact gcatacgtgaa tgcaaaaaat 3240
 ttgggttttca tgtagaagag actgtttttt ttgcaggaga agcctttgca ctaataata 3300
 gtttagaaaa atcaggtaga gagcatgttg gtataatagc attgaaagccg gaattggaag 3360
 attccgacag gcttgagaaa tcgctattgc cagtacggaa aactgaaacg gagaataagg 3420
 aaattagcct actgcaata cagacaatgc ttagggagag tcttgaattt gaattggata 3480

FIG. 22S (cont'd)

tagagccgg tatgttgat gagtaaaac cttttacaga tttaggggtg gactcgataa 3540
 atggagtcac ctggatacga aaatcaata gtcactatgg attatctatg actgcgacga 3600
 aagtatatga ttaccctaat attattgagt tggcagagtt tttaagaaaaa caaattattt 3660
 cgaatgatga aaagcagcat caaccatcta tatcaacaat atttccact tcattggatg 3720
 aattattgaa aaaaatacaa gaaggtactt tagggattga agaagccgac caattaattg 3780
 atgaactacc tgattaccat ctagatatgg aactccatga gttgttataa gggaaaagcga 3840
 ggtattttttg tgtcacacgg atggatggta aaaccatttt ggctgaaaaa aatttagctc 3900
 aaatcggcgc agcttttgctg cgtccgagtg atttgacttg ttatggtgaa ctcaactatg 3960
 ctgtgacggc atttccttac ataagtaggt gaaaaatgga aacaattagt gtaaaccaat 4020
 ttagagacaa ttgtgaaaagt ttgtagaac agcagtttag cagcatgag ccaattaaag 4080
 taacgcgcag agccagtga gctttcgtcg tgataagtgc cgatgattgg gagcaagaac 4140
 aggaaaagcct ttatattttt cagaatagtg atttgatgca acaaatgca gattcgcttg 4200
 gtacgcatac tcagggcaag ggatacaaac caacggataa tgagttgaat gaaatcactg 4260
 gtgcttgaag gccatacctg ggaacttg gaaaagcttt gcgagcaaga taagcgggta 4320
 cacaaggcgt tatgcaaaact actcaagaa atgcttcact cggaagatct aacctccgga 4380
 ttaggtaaac ctgagccgct taagcataac ttatctggct tatggtctcg gcgcatttcg 4440
 caaaaagacc gactgataa tcgctttatt ttcgctatcg gtggtcacta cgatcaacat 4500
 ttagttgcc aacgccata acaagggaaa atatgaagcg cagcggaatc ttttcccttg 4560
 tggttacgct tgttataagg ttgtttattc atttagactc cctctgtgtt tactgcaytg 4620
 tgtggtagcc agtccagtcc acgttttttg kgggcsrwt tcaatgtgct tgtatacac 4680
 ttagatgtcc gaaaakgraa mcamcmcc attgtatat tyttttaact caatggataa 4740
 atgttttata gctaaactgtg aagcttcgat tgcctgatg aactcacgat catttttctc 4800
 tgatttttca taaaaggcgt taggtgaaaa tgaagctgggt tctgattttt tatgtacagc 4860
 ttatttcctg aatctaatta aaactttcat atattgat atattgctttg atttatcaat 4920
 ttctttttcca gtaataattc gtgtgcaaac tagccattta gaaataatat ctaattttatc 4980
 taagtgtctca acaaccgtat ttgtcagaca aaatgacgag cagaaaaatc wtagactgta 5040
 tattctttaa tacwtagagg acaattwtcm cacaaaagat wtcttgctc cactgaggct 5100
 atttcttttyt tgkaatcttt atccctaata ttttccagc ttagtgacca ataattttata 5160
 tcatwmaggt actctgtaag ccgataatac cttttgctta tatcccaata attgggacca 5220

FIG. 22S (cont'd)

aaaaaagtgc aaaagcgtgg gcgcagatcg agaaatttat tccgttgagg aatagactat 5280
 ttgcatcaat tactgctcaa wgcgcgtgaa aatttctgca aattggtaag ggctttacgt 5340
 gttttgtctt gtacawagct gttctattca gcaggagaca aacatggatt agcaagtatg 5400
 ggtgtagtta tcaactkaag aaatcattgg cagtatagtc aactcattga aagtcctata 5460
 ttaacgtcgc cgaaggttaa atagttttta cgatgagatg taggcattgt gataaatgtg 5520
 ctgcacatca tcacaatcat tcagcatatc cataaacctc tcgaacatct taacatcatc 5580
 tcccgtcact ggagtgttg tttgaggaat aaattggatt tcgtcgacat crractgaag 5640
 cttttcaaa gcttcagata acgcttgctt ggccttaaaa tattcagtat gaggaaccag 5700
 tacgctgac ttaccgtttt ttgcttcaat atcggtgaca tccacatttt ccatcattaa 5760
 tgtctccaat acgactttct cgtcatttcc agtgaaaaa aggattgcac aatgattaaa 5820
 catatggcta aactgcctt gggtaaccaat cttgcttttg gttttggtaa acaaaatagc 5880
 cacatcaccc aaggtgcgat tggggttacc ataaawaa cgttaaaaa tcaakaawam ccatamagtt 5940
 ccnaggctcc caaaccttc ataacggagt gscaawaa tyttccmcc mcgscctccc 6000
 tttagctttg tytagggcct tttgaaataa cgtgggcttg gaacttggt ttttttttgc 6060
 tttatctatc catactgct agagcaagat taccttcttg atcactccc cntgatttt 6120
 gcacagacat aaattgcgc accataattg ctgtagact ttggtttggc atcggaggtt 6180
 ttagccattg attcttttgc gttctgata gctcgaccca ttataaacc cctgattttt 6240
 attgaacgaa gagggtatt tacaggtaac tatgagtat gggaacctgc taatagtmw 6300
 ckwtgtccm wtatymarra ttgcyggttg ttgtygcttc tgamtaaac ctcaatattt 6360
 gatagattca ctgaatcatt atcattaatg ggtttgataa gtatttataa gaggtttgcg 6420
 gtatgatgca gtttghtaatt acctcctccc ccataataat aatgtactgt aaggaaactc 6480
 aatgtcttac gattatgatt tgtttgtgat tggtgccggg tctgggtggg tgcgtgcgag 6540
 tcgtattgca gcaggccttg gcgctaaagt cgcggtagct gaggatctct tcttggtgg 6600
 tactttgtgt aatgttgggt gtgtaccaaa aaagcttttg gttctatggg tcacmttttt 6660
 ytgaagagtt traascagcc gcagggtttg gttggacaat aggggtcatc tcttttcatt 6720
 ggccamcatt acgtgacaat aaracaaaaa aaatcgagcg tcttaatggc ggtttatcaa 6780
 aacctcttag aaaagtgcgg gagtcgatat tattaatggg cggggcgacc attattgatc 6840
 ctcatagcat agcagttggg gacagacagt tttactgctg aacgtatttt agttgctggc 6900
 ctgccattcc tgatattcca gggagagaa atattatcag ttnctaaaga agtgkktwt 6960

FIG. 22S (cont'd)

ckgraagmsk	wmckaaaaws	srwwgctgtc	gtagggggtg	gctatatgtc	tgttgagttt	7020
gcaggtat	ttcaagggtt	gggtagtgac	attcatttat	tgtatcgagg	tgatttat	7080
ctaaggggat	ttgatcgaga	tgctcgtgaa	tttactgcca	gtgagatgat	aaagaaaggga	7140
gtaaatttac	attttaatcg	cagtgtttct	gctattgaaa	agcaagtggga	tggtagccta	7200
ttagtgggat	taactgatgg	ctcaaccttg	gaagtggata	ctattatgta	tgccacaggt	7260
ygaaaaaccar	rmmyygaggs	wyrtgktyt	ksawwrkrsc	gctgtmaas	krckyaaaaw	7320
gggaagcctt	tycaagtnta	actgakaayt	tttcaaanca	agcagaagcc	wbtytawttt	7380
aygcaagtwa	gggawtgtt	aatagaccgg	tatgncaatk	aacvccaagt	tgstctsggc	7440
tgaarggtat	ggmcttaagc	mcagctttta	tattagtgc	tmcagtggat	taataanggt	7500
agattatggg	ttttsgttc	cmagaaccgg	ttttnttgc	caamcccaan	tatgggcacc	7560
gtaggttata	gtgaagagcg	ggccaagrgm	wragtttgc	acggtgbctg	tttadaaatr	7620
gatttttaa	ccagatgaag	ncatacgctg	agtncttct	tngatngagc	ggactttttg	7680
tgaagtnwat	tagtagancc	aaaacnmcag	ataragtcac	aggttgtcat	atggtaggcg	7740
ctcracgcgg	gagaaatctt	gntattgccca	taaagggcagg	agccacccaaa	gcagactttg	7800
atagcaccat	aggtattcac	cctacgggtg	ccgaagaggt	tgtgactatg	agagagcctg	7860
cgtatatatt	atagcaatag	gccaagggca	gctacttggt	ttagtaaggc	tatttttaca	7920
aatagtacca	tcagataata	taktgcggtg	gtttacgttc	yamtgaatca	kcagtkgtma	7980
wakkagtcac	atagcaygms	gwrtkatatag	kgkattcata	yyrtrcawaa	syaaaykckgt	8040
cgtcgagggga	yataatkctc	akrataatat	wrttcgasw	cctgtysakk	cccwaccacr	8100
satacywssc	aaagarttgy	agtratacrag	ckwtgsakws	tgamcngtgs	matnakgttc	8160
aacgcatkcc	ccagcctkat	agcatcygac	caytsagggc	caawrkmgmt	taaycccagt	8220
gtwcngttns	atrnrsagcs	mgktaatggg	mgtgtwtst	wrkawgccsg	mtctmmaaa	8280
mcmnsanngmr	acgtacaaagm	rtgwcaaccmg	krkgcytrya	snmatmtgct	atcamrcnca	8340
yssrrgggkk	ggycttmawa	ararggggcaa	aaaaaaaaan			8380

FIG. 22S (cont'd)

Lys Leu Gly Asp Pro Ile Glu Val Glu Thr Leu Ala Glu Ser Phe Arg SEQID NO:11
 1 5 10 15
 Val Tyr Thr Asp Lys Arg His Tyr Cys Ala Leu Gly Ser Val Lys Ser
 20 25 30
 Asn Ile Gly His Leu Gly Val Gly Ala Gly Ile Ala Gly Val Thr Lys
 35 40 45
 Val Leu Leu Ser Leu Gln His Arg Met Leu Pro Pro Thr Ile His Cys
 50 55 60
 Glu Asp Val Asn Pro Gln Ile Ala Leu Glu Gly Ser Pro Phe Tyr Ile
 65 70 75 80
 Asn Thr Glu Leu Lys Pro Trp Gln Ser Gly Asp Gly Ile Pro Arg Arg
 85 90 95
 Ala Gly Val Ser Ser Phe Gly Val Ser
 100 105

FIG. 22T

Lys Leu Gly Asp Pro Ile Glu Val Glu Thr Leu Ala Glu Ser Phe Arg SEQID NO:12
 1 5 10 15
 Val Tyr Thr Asp Lys Arg His Tyr Cys Ala Leu Gly Ser Val Lys Ser
 20 25 30
 Asn Ile Gly His Leu Gly Val Gly Ala Gly Ile Ala Gly Val Thr Lys
 35 40 45
 Val Leu Leu Ser Leu Gln His Arg Met Leu Pro Pro Thr Ile His Cys
 50 55 60
 Glu Asp Val Asn Pro Gln Ile Ala Leu Glu Gly Ser Pro Phe Tyr Ile
 65 70 75 80
 Asn Thr Glu Leu Lys Pro Trp Gln Ser Gly Asp Gly Ile Pro Arg Arg
 85 90 95
 Ala Gly Val Ser Ser Phe Gly Val Ser Gly Thr Asn Ala His Leu Val
 100 105 110
 Leu Glu Glu Tyr Thr His Arg Val Thr Ser Pro Leu Gln Asn Thr Ile
 115 120 125
 Leu Pro Gln Asn Gly Leu Phe Ile Val Pro Leu Ser Ala Lys Asn Asp
 130 135 140

Glu Cys Leu Asn Ala Cys Val Glu Arg Leu Leu Phe Phe Leu Lys Ser	160
145	155
Arg Gln Ser Asp Thr Tyr Lys Lys Tyr Ser Leu Ser Asp Thr Ala Pro	175
165	170
Ile Leu Leu Asp Leu Ala Tyr Thr Leu Gln Val Ser Arg Glu Ala Met	190
180	185
Thr Lys Arg Val Ala Phe Val Val Lys Thr Thr Ile Glu Leu Met Glu	205
195	200
Lys Leu Asn Ala Phe Ile Glu Lys Lys Gln Asn Thr Ile Lys Ala Ser Asn	220
210	215
Ile Lys Gly Cys Tyr Tyr Ser Ser Thr Lys Thr Ser Ser Pro Phe Asp	240
225	230
235	235
Asn Glu Ser Thr Asp	245

FIG. 22U (cont'd)

Arg Leu Gly Asp Pro Ile Glu Leu Ala Ala Leu Ser Lys Ala Phe Glu SEQID NO:14
1 5 10 15
Glu Gly Thr Gln Arg Lys Gln Phe Cys Gly Ile Gly Ser Val Lys Ser
20 25 30
Asn Ile Gly His Leu Asp Val Ala Ala Gly Val Val Gly Leu Ile Lys
35 40 45
Thr Ala Leu Ser Leu Gln His Arg Leu Leu Pro Pro Thr Ile Asn Tyr
50 55 60
Glu Ala Pro Asn Arg Glu Ile Asn Phe Glu Gln Ser Pro Phe His Val
65 70 75 80
Ile Asp Glu Leu Thr Glu Trp Arg Gly Gln Gly Gly Pro Leu Arg Ala
85 90 95
Gly Val Ser Ser Phe Gly Ile Gly
100

FIG. 22V

SEQ ID NO: 16

Gln	Leu	Gly	Asp	Pro	Ile	Glu	Leu	Gln	Ala	Leu	Ala	Asp	Val	Tyr	Arg	1	5	10	15
Val	Asp	Asn	Trp	Arg	Lys	Asn	Thr	Cys	Ala	Leu	Gly	Ser	Val	Lys	Ser	20	25	30	35
Asn	Ile	Gly	His	Thr	Ser	Ala	Ala	Ser	Gly	Val	Ala	Gly	Ile	His	Lys	40	45	50	55
Val	Leu	Leu	Ser	Leu	Lys	His	Arg	Gln	Leu	Val	Ala	Ser	Leu	His	Phe	60	65	70	75
Asn	Ser	Ala	Asn	His	His	Phe	Asp	Phe	Gln	Gln	Ser	Pro	Phe	Tyr	Val	80	85	90	95
Asn	Thr	Gln	Leu	Arg	Pro	Trp	Asp	Gln	Ala	Glu	Gly	Leu	Glu	Glu	Ser	100	105	110	115
Arg	Arg	Arg	Ala	Ala	Val	Ser	Ser	Phe	Gly	Val	Ser					120	125	130	135

FIG. 22W

Glu Tyr Gly Asp Pro Met Glu Leu Thr Ala Ala Ala Val Phe Gly SEQID NO:18
 1 5 10 15
 Arg Gly Arg Asn Gln Lys Asn Arg Leu Val Gly Ser Val Lys Ala
 20 25 30
 Asn Ile Ser His Leu Glu Ala Ala Gly Gly Ile Ser Gly Leu Ile Lys
 35 40 45
 Ala Val Leu Ala Met Gln His Gly Val Ile Pro Gln Gln Leu His Cys
 50 55 60
 Lys Glu Pro Ser Pro His Ile Pro Trp Lys Arg Leu Pro Leu Asp Leu
 65 70 75 80
 Val Gln Glu Gln Thr Val Trp Pro Glu Ser Glu Glu Arg Ile Ala Ala
 85 90 95
 Val Thr Ala Ser Asp
 100

FIG. 22X

[illegible]

FIG. 222

Ala Leu Gly Asp Pro Ile Glu Phe Gly Ala Ile Lys Ala Val Tyr Gly SEQID NO:22
 1 5 10 15
 Pro Gly Arg Ser Ser Pro Leu Val Leu Gly Ala Leu Lys Ser Asn Ile
 20 25 30
 Gly His Leu Glu Ala Thr Ala Gly Val Ala Ala Leu Ile Lys Ala Val
 35 40 45
 Leu Val Leu Gln His Gly Val Ala Pro Ala Asn Leu His Cys His Lys
 50 55 60
 Leu Asn Pro Leu Leu Asp Ile Asp Gly Phe Asn Val Val Phe Pro Gln
 65 70 75 80
 Ser Glu Thr Pro Leu His Ser Ser Leu Gln Leu Leu Gly Tyr Gln
 85 90 95
 Phe Val Arg Val Trp
 100

FIG. 22Z

Thr Trp Xaa Ser Leu Leu Arg Trp Gly Leu Leu Gln Asn His Phe Asp SEQID NO:24
 1 5 10 15
 Pro Tyr Thr Glu Lys Lys Asn Tyr Cys Ala Ser Gly Ser Val Lys Ser
 20 25 30
 Asn Ile Gly His Leu Thr Ala Ala Gly Val Ser Gly Val Val Lys Val
 35 40 45
 Leu Leu Ala Leu Lys His Lys Gln Leu Pro Pro Ser Cys His Leu Val
 50 55 60
 Lys Ile Asn Glu His Ile Asn Leu Glu Asp Ser Pro Phe Tyr Ile Asn
 65 70 75 80
 Thr Ala Leu Lys Lys Trp Glu Val Ser Glu Gly Glu Ala Arg Arg Ala
 85 90 95
 Ala Val Ser Ser Phe Gly Ser
 100

FIG. 22A

Pro Leu Gly Asp Pro Ile Glu Met Ala Ala Leu Lys Gln Ala Phe Gly SEQID NO:24
 1 5 10 15
 Thr Gln Lys Lys Tyr Cys Ala Ile Gly Ser Val Lys Ser Asn Ile
 20 25 30
 Gly His Ala Asp Thr Ala Ala Gly Val Ala Gly Leu Ile Lys Thr Val
 35 40 45
 Met Ala Leu Lys Ala Arg Gln Ile Pro Pro Ser Leu His Phe Glu Thr
 50 55 60
 Pro Asn Pro Gln Ile Asp Phe Ala Asp Ser Pro Phe Tyr Val Asn Thr
 65 70 75 80
 Thr Leu Lys Asp Trp Asn Thr Asn Gly Val Pro Arg Arg Ala Gly Val
 85 90 95
 Ser Ser Phe Gly Ile Gly
 100

FIG. 22BB

Val Val Gly Asp Pro Ile Glu Val Val Gly Leu Thr Lys Ala Tyr Gln SEQID NO:28
 1 5 10 15
 Ala His Thr Gln Glu Arg Gln Tyr Cys Gly Leu Gly Ser Val Lys Thr
 20 25 30
 Asn Ile Gly His Thr Asp Ser Ala Ala Gly Ile Ala Gly Leu Leu Lys
 35 40 45
 Ile Val Met Ala Met Lys His Arg Gln Leu Pro Pro Ser Leu Asn Phe
 50 55 60
 Glu Thr Pro Asn Pro Asp Leu Asp Leu Glu Asn Ser Pro Phe Phe Ile
 65 70 75 80
 Gln Thr Lys Leu Lys Asp Trp Glu Ser Val Gly Pro Arg Arg Ala Ala
 85 90 95
 Ieu Ser Ser Phe Gly Leu Gly
 100

FIG. 22CC

Met Val Val Val Glu Glu Phe Phe Val Ser Tyr Arg Asp Ile Leu Lys SEQID NO:38
1 5 10 15
Ala Leu Gln Asp Glu Lys Ile Ser Phe Glu Glu Ala Lys Tyr Lys Leu
20 25 30
Ile Lys Arg Lys Asp Lys Lys Ser Lys Gln Arg Leu Asn His Asp Arg
35 40 45
Glu Leu Asn Arg Ser Met Asn Ile Thr Pro Lys Ile Val Asn Asn Tyr
50 55 60
Gly Leu Val Leu Leu Gly Gly His Leu Phe Glu Glu Leu Arg Leu Ser
65 70 75 80
Glu Trp Lys Ala Ala Asn Pro Asn Pro Asn Glu Val Ser Ile Gln Val
85 90 95
Lys Ala Ser Ala Ile Ser Phe Thr Asp Thr Leu Cys Val Gln Gly Leu
100 105 110
Tyr Pro Ser His Tyr Pro Phe Val Pro Gly Phe Glu Val Ser Gly Val
115 120 125
Ile Arg Gln Val Gly Glu His Ile Thr Asp Leu His Val Gly Asp Glu
130 135 140

Val Ile Ala Phe Thr Gly Ser Ser Met Gly Gly His Ala Ala Tyr Val	145	150	155	160
Thr Val Pro Gln Asp Tyr Val Val Arg Lys Pro Lys Asp Leu Ser Phe	165	170	175	
Glu Asp Ala Cys Ser Phe Pro Leu Ala Phe Ala Thr Val Tyr His Ser	180	185	190	
Phe Ala Arg Gly Lys Leu Ser His Asn Asp His Ile Leu Ile Gln Thr	195	200	205	
Ala Thr Gly Gly Cys Gly Leu Met Ala Leu Gln Leu Ala Arg Leu Lys	210	215	220	
Gln Cys Val Cys Tyr Gly Thr Ser Ser Arg Glu Asp Lys Leu Ala Leu	225	230	235	240
Leu Lys Gln Trp Ala Leu Pro Tyr Val Phe Asn Tyr Lys Thr Cys Asn	245	250	255	
Ile Asp Glu Glu Ile Gln Arg Val Ser Gly His Arg Gly Val Asp Val	260	265	270	
Val Leu Asn Met Leu Pro Gly Glu His Ile Gln Gln Gly Leu Asn Ser	275	280	285	

FIG. 22DD (cont'd)

Leu	Ala	Lys	Gly	Gly	Arg	Tyr	Leu	Glu	Leu	Ser	Met	His	Gly	Leu	Leu
290						295					300				
Thr	Asn	Glu	Pro	Val	Ser	Leu	Ser	Ser	Leu	Arg	Phe	Asn	Gln	Ser	Val
305					310					315					320
Gln	Thr	Ile	Asn	Leu	Leu	Gly	Leu	Leu	Asn	Lys	Gly	Asp	Asp	Gly	Phe
				325					330					335	
Ile	Gly	Ser	Val	Leu	Ala	Gln	Met	Val	Ser	Trp	Ile	Glu	Ser	Gly	Asp
				340				345					350		
Leu	Val	Ser	Thr	Val	Ser	Arg	Ile	Tyr	Pro	Leu	Asp	Gln	Ile	Gly	Glu
				355				360							
Ala	Leu	Arg	Tyr	Val	Ser	Glu	Gly	Glu	His	Ile	Gly	Lys	Val	Val	Val
370						375					380				
Ser	His	Thr	Ala	Thr	Glu	Pro	Met	Asp	Cys	Arg	Gln	Arg	Cys	Ile	Asp
385					390					395					400
Asn	Val	Leu	Lys	Gln	Gly	Gln	Met	Ala	Ala	Leu	Thr	Ala	Thr	Gly	Gly
				405					410					415	
Lys	Ser	Arg	Val	Trp	Gly	Gly	Thr	Gly	Val	Asn	Asp	Lys	Pro	Ser	Pro
				420					425				430		

FIG. 22DD (cont'd)

Ala Val Gly Ile Glu Glu Arg Leu Leu Glu Gly Ile Ala Val Ile Gly	
435	440 445
Leu Ser Gly Gln Tyr Pro Lys Ser Lys Thr Leu Glu Gln Phe Trp Gln	
450	455 460
Thr Leu Ala Asp Gly Val Asp Cys Ile Ser Glu Ile Pro Ala Asp Arg	
465	470 475 480
Trp Ser Leu Glu Glu Tyr Tyr Ser Pro Ile Pro Glu Gly Lys Thr	
	485 490 495
Tyr Cys Lys Trp Met Gly Val Leu Glu Asp Met Asp Cys Phe Asp Pro	
	500 505 510
Leu Phe Phe Ala Ile Ser Pro Arg Glu Ala Glu Val Met Asp Pro Gln	
	515 520 525
Gln Arg Leu Phe Leu Glu Asn Ala Trp Ser Cys Ile Glu Asp Ala Gly	
	530 535 540
Ile Asn Pro Lys Met Leu Ser Arg Ser Arg Cys Gly Val Phe Val Gly	
545	550 555 560
Cys Gly Ala Asn Asp Tyr Ser Ala Leu Met Asn Ser Ser His Ser Thr	
	565 570 575

FIG. 2200D (cont'd)

Ser	Leu	Glu	Leu	Met	Lys	Glu	Leu	Gly	Asn	Asn	Ser	Ser	Ile	Leu	Ser
		580						585					590		
Ala	Arg	Ile	Ser	Tyr	Phe	Leu	Asn	Leu	Lys	Gly	Pro	Cys	Leu	Ala	Ile
		595				600						605			
Asp	Thr	Ala	Cys	Ser	Ser	Ser	Leu	Val	Ala	Ile	Ala	Glu	Ser	Cys	Asn
		610				615					620				
Ser	Leu	Val	Leu	Gly	Thr	Ser	Asp	Leu	Ala	Leu	Ala	Gly	Gly	Val	Leu
625					630					635					640
Leu	Met	Pro	Gly	Pro	Ser	Leu	His	Ile	Gly	Leu	Ser	His	Gly	Glu	Met
				645					650					655	
Leu	Ser	Val	Asp	Gly	Arg	Cys	Phe	Thr	Phe	Asp	Gln	Arg	Ala	Asn	Gly
			660					665					670		
Phe	Val	Pro	Gly	Glu	Gly	Val	Gly	Val	Val	Leu	Leu	Lys	Arg	Met	Ser
		675					680					685			
Asp	Ala	Val	Arg	Asp	Gly	Asp	Pro	Ile	Arg	Ala	Val	Ile	Arg	Gly	Trp
		690				695					700				
Gly	Val	Asn	Gln	Asp	Gly	Arg	Ser	Asn	Gly	Ile	Thr	Ala	Pro	Ser	Ser
					710					715					720
705															

FIG. 22DD (cont'd)

Lys	Ala	Gln	Ser	Ala	Leu	Glu	Gln	Glu	Val	Tyr	Gln	Arg	Phe	Asn	Ile	
				725					730					735		
Asp	Pro	Ser	Ser	Ile	Thr	Leu	Val	Glu	Ala	His	Gly	Thr	Gly	Thr	Lys	
				740				745						750		
Leu	Gly	Asp	Pro	Ile	Glu	Val	Glu	Ala	Leu	Ala	Glu	Ser	Phe	Arg	Val	
				755			760					765				
Tyr	Thr	Asp	Lys	Arg	His	Tyr	Cys	Ala	Leu	Gly	Ser	Val	Lys	Ser	Asn	
						775					780					
Ile	Gly	His	Leu	Gly	Val	Gly	Ala	Gly	Ile	Ala	Gly	Val	Thr	Lys	Val	
						790				795					800	
Leu	Leu	Ser	Leu	Gln	His	Arg	Met	Leu	Pro	Pro	Thr	Ile	His	Cys	Glu	
						805			810					815		
Asp	Val	Asn	Pro	Gln	Ile	Ala	Leu	Glu	Gly	Ser	Pro	Phe	Tyr	Ile	Asn	
								825					830			
Thr	Glu	Leu	Lys	Pro	Trp	Gln	Ser	Gly	Asp	Ser	Ile	Pro	Arg	Arg	Ala	
								840				845				
Gly	Val	Ser	Ser	Phe	Gly	phe	Ser	Gly	Thr	Asn	Ala	His	Leu	Val	Leu	
							855									

FIG. 22DD (cont'd)

Glu	Glu	Tyr	Leu	Pro	His	Ser	Thr	Gly	Thr	Ile	Glu	Ser	Phe	Ala	Ala	880
865					870					875						
Asn	His	Ala	Ser	Thr	Val	Ile	Ile	Pro	Leu	Ser	Ala	Lys	Ser	His	Asn	
				885				890						895		
Ser	Leu	Tyr	Thr	Tyr	Ala	Gln	Thr	Leu	Leu	Ile	Phe	Leu	Lys	Arg	Ser	
			900					905						910		
Gln	Val	Thr	Asp	Ala	Lys	Lys	Ile	Thr	Ile	Asp	His	Met	Glu	Cys	Arg	
		915					920					925				
Leu	Leu	Asp	Leu	Ala	Tyr	Thr	Leu	Gln	Val	Gly	Arg	Glu	Ala	Met	Asp	
		930				935					940					
Lys	Arg	Ile	Ser	Phe	Ile	Val	Asn	Thr	Lys	Gln	Ala	Leu	Val	Glu	Lys	
945					950					955					960	
Leu	Asn	Ala	Phe	Leu	Glu	Lys	Glu	Lys	Thr	Ile	Thr	Asp	Cys	Tyr	His	
				965					970					975		
Tyr	Leu	Phe	Asp	Ser	Asp	Lys	Pro	Ser	Thr	Glu	Ile	Phe	Arg	Leu	Asp	
			980					985					990			
Glu	Asp	Asp	Lys	Val	Leu	Ile	Asn	Ser	Trp	Ile	Ser	Gln	Ser	Gln	Tyr	
		995					1000						1005			

FIG. 22DD (cont'd)

PROTEIN "BEEB/60"

His Lys Leu Ala Glu Ala Trp Ser Gln Gly Leu Asp Ile Asp Trp Thr	
1010	1015 1020
Leu Leu Tyr Thr His Ser Ser Thr Pro Arg Arg Ile Ser Leu Pro Thr	
1025	1030 1035
Tyr Pro Phe Ala Arg Asp Arg Tyr Trp Leu Pro Glu Lys Pro Arg Tyr	
	1045 1050 1055
Asn Ala Ala Asn His Pro Val Ser Asn His Gln Thr Thr Thr Gln Asn	
	1060 1065 1070
His Ser Arg Phe Ala Ile Asp Thr Asp His Asp Val Val Ala Glu Ile	
	1075 1080 1085
Met Gln Lys Thr His Gln Gln Glu Leu Glu Gln Trp Leu Leu Lys Leu	
1090	1095 1100
Leu Phe Val Gln Leu Gln His Met Gly Leu Phe Gln His Arg Val Phe	
1105	1110 1115 1120
Glu Thr Ala Thr Ala Leu Arg Gln Ser Ala Gly Ile Val Asp Lys Tyr	
	1125 1130 1135
Asp Arg Trp Trp His Glu Cys Leu Ser Val Leu Gln Asp Ala Gly Tyr	
	1140 1145 1150

FIG. 22DD (cont'd)

Leu Glu Trp Lys Asp Asp Ser Val Ala Ala Gln Ala Leu Glu Ser
 1155 1160 1165
 Glu Ser Gln Glu Ala Trp Trp Ser Arg Trp Asn Thr Glu Tyr Lys His
 1170 1175 1180
 Tyr Gln Asn Asp Pro Glu Lys Lys Thr Leu Ala Ile Leu Ile Asn Asp
 1185 1190 1195 1200
 Cys Leu Gln Ala Leu Pro Gly Val Leu Ser Gly Glu Gln Leu Ile Thr
 1205 1210 1215
 Asp Ile Ile Phe Pro Asn Gly Ser Met Glu Lys Met Glu Gly Leu Tyr
 1220 1225 1230
 Lys Asn Asn Arg Ile Ala Asp Tyr Cys Asn Gln Cys Val Gly Asp Leu
 1235 1240 1245
 Leu Val Gln Phe Ile Glu Ala Arg Leu Ser Arg Asp Ala Asn Ala Arg
 1250 1255 1260
 Ile Arg Ile Ile Glu Ile Gly Ala Gly Thr Gly Gly Thr Thr Ala Ile
 1265 1270 1275 1280
 Val Leu Pro Met Leu Gln Ala Tyr Gln Asp His Ile Asp Thr Tyr Cys
 1285 1290 1295

FIG. 22DD (cont'd)

Tyr Thr Asp Val Ser Lys Ala Phe Leu Met His Gly Gln Glu His Tyr
 1300 1305 1310

 Gly Glu Gln Tyr Pro Tyr Leu Ser Tyr Cys Leu Cys Asn Ile Glu Gln
 1315 1320 1325

 Asp Leu Val Ala Gln Gly Ile Ser Val Gly Asp Tyr Asp Ile Ala Ile
 1330 1335 1340

 Ala Ala Asn Val Leu His Ala Thr Arg Asn Ile His Glu Thr Val Ser
 1345 1350 1355 1360

 His Val Arg Gln Ala Leu Ala Ala Asn Gly Leu Leu Ile Leu Asn Glu
 1365 1370 1375

 Phe Ser Gln Lys Ser Val Phe Ser Ser Val Ile Phe Gly Leu Ile Asp
 1380 1385 1390

 Gly Trp Ala Leu Ser Glu Asp Thr Gly Leu Arg Ile Pro Gly Ser Pro
 1395 1400 1405

 Gly Leu Tyr Pro Lys Gln Trp Gln Ala Val Leu Glu Ala Ser Gly Phe
 1410 1415 1420

 Gly Asp Val Glu Phe Pro Leu His Asp Ala Arg Glu Leu Gly Gln Gln
 1425 1430 1435 1440

FIG. 22DD (cont'd)

Ile Ile Leu Ala Thr Asn Ala His Ala Asn Val Ala Ser Asp Leu Ala
1445 1450 1455

Thr Ser Val Ile Asp His Ala Pro Lys Arg Leu Pro Ser Ala Glu Val
1460 1465 1470

Ser Met Asp Glu Arg Val Ser His Asp Ala Met Met Lys Ala Ser Val
1475 1480 1485

Lys Gln Leu Leu Val Glu Gln Leu Ser Gln Ser Leu Lys Leu Asp Met
1490 1495 1500

Asn Glu Ile His Pro Asp Glu Ser Phe Ala Asp Tyr Gly Val Asp Ser
1505 1510 1515 1520

Ile Thr Gly Ala Ser Phe Ile Gln Gln Leu Asn Asp Thr Leu Thr Leu
1525 1530 1535

Thr Leu Lys Thr Val Cys Leu Phe Asp His Ser Ser Val Asn Arg Leu
1540 1545 1550

Thr Ala Tyr Leu Leu Ser Asp Tyr Gly Asp Asp Ile Ala Gln Trp Leu
1555 1560 1565

Ala Thr Ala Pro Ala Leu Val Asp His Pro Gln Ser Val Val Ser Gln
1570 1575 1580

Val Leu Pro Glu Arg Ser Pro Ala Ser Thr Gln Ala Lys Pro Leu Pro	1585	1590	1595	1600
Ser Val Pro Pro Ser Leu Ser Met Glu Ser Pro Val Gln Gln Glu Ser	1605	1610	1615	
Ile Ala Ile Ile Gly Met Ser Gly Arg Phe Ala Ala Ser Glu Asn Leu	1620	1625	1630	
Glu Ala Phe Trp Gln Gln Leu Ala Gln Gly Val Asp Leu Val Glu Pro	1635	1640	1645	
Ala Ser Arg Trp Gly Pro Gln Ala Glu Thr Tyr Tyr Gly Ser Phe Leu	1650	1655	1660	
Lys Asp Met Asp Gln Phe Asp Pro Leu Phe Phe Asn Leu Ser Gly Val	1665	1670	1675	1680
Glu Ala Ser Tyr Met Asp Pro Gln Gln Arg Cys Phe Leu Glu Glu Ser	1685	1690	1695	
Trp Asn Ala Leu Glu Asn Ala Gly Tyr Val Gly Asp Gly Ile Glu Gly	1700	1705	1710	
Lys Arg Cys Gly Ile Tyr Ala Ala Gly Cys Val Ser Gly Asp Tyr Ala Gln	1715	1720	1725	

FIG. 22 DD (cont'd)

FIG. 22DD (cont'd)